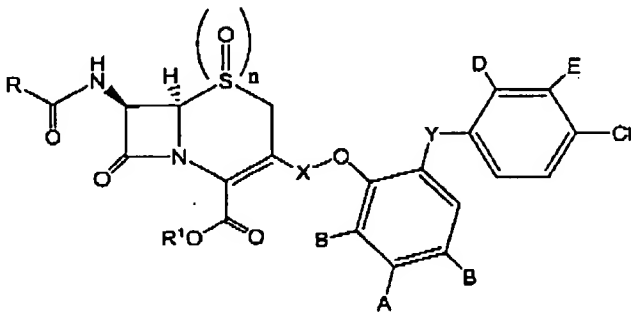
I. AMENDMENTS

In the claims:

This listing of claims will replace all prior versions and listings of claims in the subject application.

Claims 1. to 73. (Currently Canceled).

74. (Currently Amended) A compound having the following structure:



wherein:

n is 0, 1 or 2;

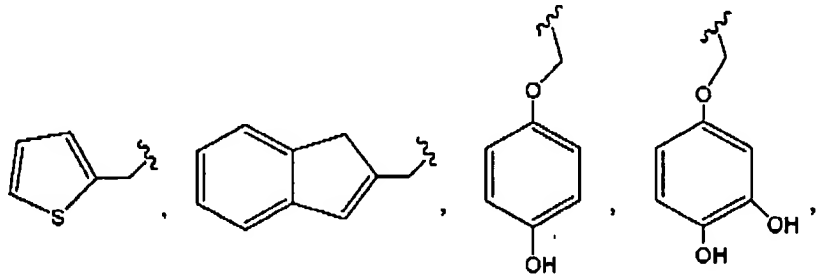
X is selected from the group consisting of CH_2, cis-CH=CHCH$_2$, trans-CH=CHCH$_2$, $CH_2OC(=O)$, NHC(=O)O, C≡CCH$_2$, SO_2, $NHCH_2CH_2CH_2NHC(=O)$ and ~~$CH_2C_6H_4OCH_2$~~ $CH_2C_6H_4OCH_2$;

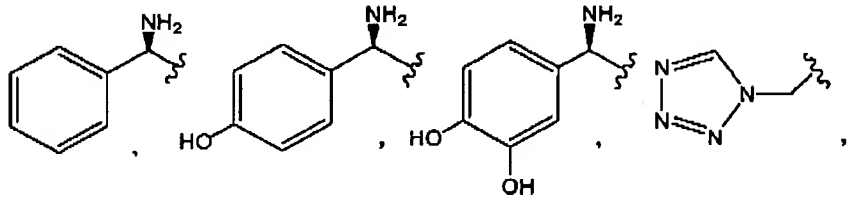
Y is selected from the group consisting of oxygen and C(=O)NH, wherein,

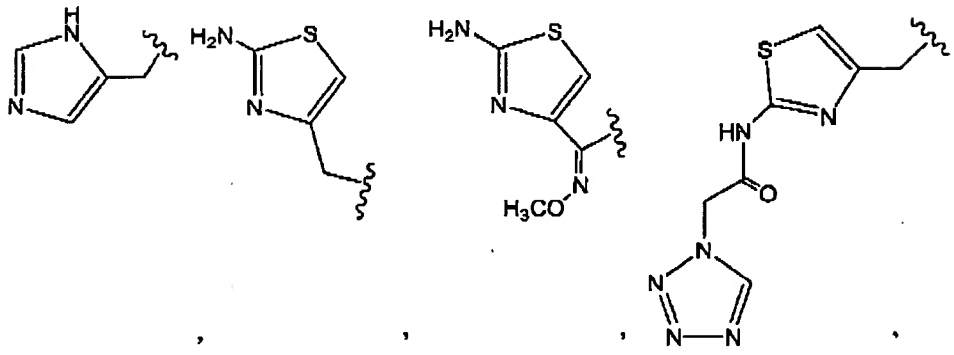
when Y is oxygen, A and D are chlorine and B and E are hydrogen;

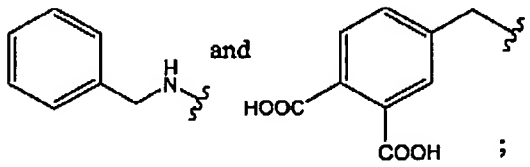
when Y is C(=O)NH, B and E are chlorine and A and D are hydrogen;

is selected from the group consisting of CH_3, ~~$HOCH_2CH_2$~~, $HOCH_2$, $H_2NC(=NH)NHCH_2CH_2$, $HOC(=O)CH_2CH_2$, $H_2NC(=O)NH$, C_6H_5, $C_6H_5CH_2$, $C_6H_5OCH_2$ and $(PEG)OC(=O)CH_2CH_2$, wherein PEG denotes polyethyleneglycolyl,









and

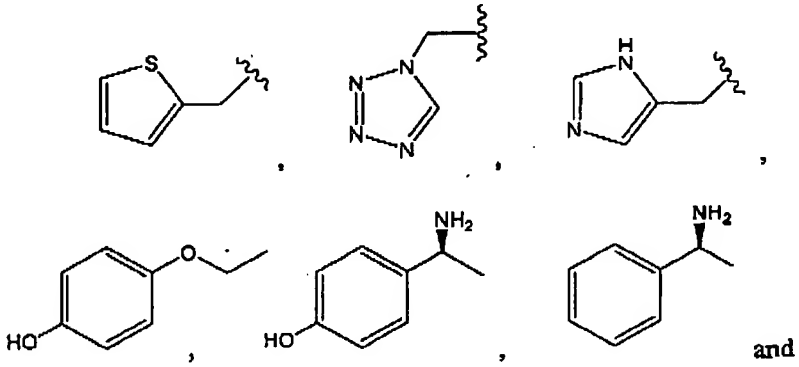
;

R^1 is selected from the group consisting of hydrogen, Li^+, Na^+, $(C_1 - C_6$ alkyl$)_m N(H)_{4-m}^+$ and polyethyleneglycolyl, wherein m is 0 – 3.

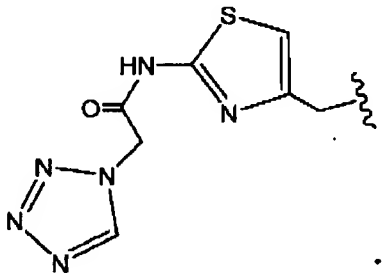
75. (Previously Added) The compound of claim 74, wherein n is 0.

76. (Previously Added) The compound of claim 75, wherein X is CH_2.

77. (Previously Added) The compound of claim 76, wherein R is selected from the group consisting of: $NH_2C(=NH)NHCH_2CH_2$,



and



78. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(2-thienylacetamido)-3-cephem-4-carboxylic acid (Compound 9).

79. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(1-tetrazoleacetamido)-3-cephem-4-carboxylic acid (Compound 29).

80. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-[2-(3*H*-imidazol-4yl)]-acetamido-3-cephem-4-carboxylic acid (Compound 31).

81. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(1-phenyl-2-aminoacetamido)-3-cephem-4-carboxylic acid (Compound 38).

82. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-[4-(2-aminothiazole)-yl-2-acetamido]-3-cephem-4-carboxylic acid (Compound 39).

83. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-[2-(4-hydroxyphenoxy)acetamido]-3-cephem-4-carboxylic acid (Compound 40).

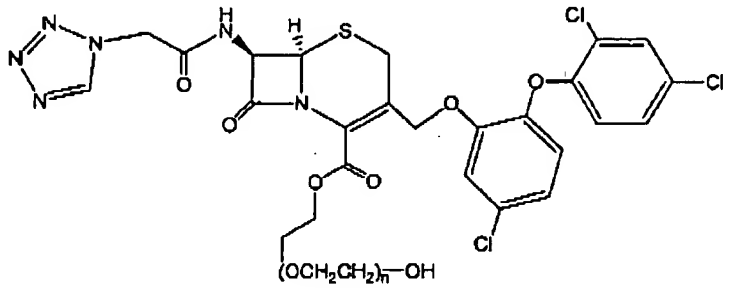
84. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-[2-amino-2-(4-hydroxyphenyl)acetamido]-3-cephem-4-carboxylic acid (Compound 41).

85. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(3-guanidinylpropyl)acetamido-3-cephem-4-carboxylic acid (Compound 42).

86. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-{2-[2-(2-tetrazol-1-yl-acetamido)-thiazol-5-yl]-acetamido}-3-cephem-4-carboxylic acid (Compound 43).

87. (Previously Added) The compound of claim 74, wherein the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(2-thienylacetamido)-1-oxo-3-cephem-4-carboxylic acid (Compound 11).

88. (Previously Added) A compound has having the structure:

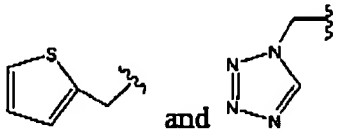


wherein n is 4 to 2000 (Compound 32).

89. (Previously Added) The compound of claim 74, wherein X is cis-$CH=CHCH_2$ or trans-$CH=CHCH_2$.

90. (Previously Added) The compound of claim 89, wherein R^1 is hydrogen.

91. (Previously Added) The compound of claim 90, wherein R is selected from the group consisting of

 and .

92. (Previously Added) The compound of claim 91, wherein n is 0.

93. (Currently Amended) A composition~~,~~ comprising: a pharmaceutically acceptable carrier~~; and, a compound of claim 74~~ and a compound of claim 74.

94. (Currently Amended) A method of inhibiting the growth of a ~~microorganism~~ bacterium comprising contacting the ~~microorganism~~ bacterium with an effective amount of a compound of any one of claims 74 to 93 ~~claim 74.~~

95. (Currently Amended) A method of inhibiting the growth of a ~~The method of claim 94, wherein the microorganism~~ bacterium that expresses a β-lactamase comprising contacting the bacterium with an effective amount of a compound of claim 74.

96. (Currently Amended) The method of claim 95, wherein the ~~microorganism~~ bacterium is selected from the group consisting of *Staphylococcus aureus, Staphylococcus epidermidis* and other coagulase-negative staphylococci, *Streptococcus pyogenes, Streptococcus pneumoniae, Streptococcus agalactiae, Enterococcus* species, *Corynebacterium diphtheriae, Listeria monocytogenes, Bacillus anthracis, Neisseria meningitidis, Neisseria gonorrhoeae, Moraxella catarrhalis, Vibrio cholerae, Campylobacter jejuni, Enterobacteriaceae, Pseudomonas aeruginosa, Acinetobacter* species, *Haemophilus influenzae, Clostridium tetani, Clostridium botulinum, Bacteroides* species, *Prevotella* species, *Porphyromonas* species, *Fusobacterium* species, *Mycobacterium tuberculosis, and Mycobacterium leprae*, with the proviso that when the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(2-thienylacetamido)-3-cephem-4-carboxylic acid, the microorganism is not *Pseudomonas aeruginosa.*

97. (Currently Amended) The method of claim 95, wherein the ~~microorganism~~ bacterium is selected from the group consisting of *Staphylococcus aureus, Staphylococcus epidermis, Enterococcus faecalis* and *Enterococcus faecium.*

98. (Currently Amended) A method for treating a ~~microbial~~ bacterial infection, comprising administering to a subject in need thereof an effective amount of a compound of any one of claims 74 to 93 ~~claim 74.~~.

99. (Currently Amended) A method for treating an infection of a ~~The method of claim 98, wherein the microorganism~~ bacterium that expresses a β-lactamase comprising contacting the bacterium with an effective amount of a compound of claim 74.

100. (Currently Amended) The method of claim 99, wherein the ~~microorganism~~ bacterium is selected from the group consisting of *Staphylococcus aureus, Staphylococcus epidermidis* and other coagulase-negative staphylococci, *Streptococcus pyogenes, Streptococcus pneumoniae, Streptococcus agalactiae, Enterococcus* species, *Corynebacterium diphtheriae, Listeria monocytogenes, Bacillus anthracis, Neisseria meningitidis, Neisseria gonorrhoeae, Moraxella catarrhalis, Vibrio cholerae, Campylobacter jejuni, Enterobacteriaceae, Pseudomonas aeruginosa, Acinetobacter* species, *Haemophilus influenzae, Clostridium tetani, Clostridium botulinum, Bacteroides* species, *Prevotella* species, *Porphyromonas* species, *Fusobacterium* species, *Mycobacterium tuberculosis, and Mycobacterium leprae*, with the proviso that when the compound is 3-(2-(2,4-dichlorophenoxy)-5-chlorophenoxy)methyl-7-(2-thienylacetamido)-3-cephem-4-carboxylic acid, the microorganism is not *Pseudomonas aeruginosa.*

101. (Currently Amended) The method of claim 99, wherein the ~~microorganism~~ bacterium is selected from the group consisting of *Staphylococcus aureus, Staphylococcus epidermis, Enterococcus faecalis* and *Enterococcus faecium.*